

04/04/2011

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To the Director of the U S Patent and Trademark Office. Please return the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Gregory A Kern

**2. Name and address of receiving party(ies)**

Name: GreenRay Inc.

Internal Address. \_\_\_\_\_

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 02/09/2011

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

Street Address: 2 Park Drive

Unit 1

City: Westford

State MA

Country: USA

Zip: 01886

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application

A. Patent Application No.(s)  
12/889,948

B Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Mark J Pandiscio

Internal Address: Pandiscio & Pandiscio, P.C.

Street Address: 470 Totten Pond Road

City: Waltham

State: MA Zip: 02451

Phone Number: (781) 290-0060

Fax Number: (781) 290-4840

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account (any deficiencies)
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 16-0221

Authorized User Name \_\_\_\_\_

**9. Signature:**

*Margaret M. Carley*  
Signature

03/30/2011  
Date

Margaret M. Carley  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

AM/GRRAY6.REC  
GRRAY-6

**PATENT**  
**REEL: 026106 FRAME: 0149**

ASSIGNMENT

I, Gregory A. Kern of 442 South 112th Street, Lafayette, CO 80026, having invented improvements in MODIFIED ZERO VOLTAGE TRANSITION (ZVT) FULL BRIDGE CONVERTER AND PHOTOVOLTAIC (PV) ARRAY USING THE SAME and having executed an application for United States patent describing the same and based thereon (and I hereby authorize my attorney(s), authorized to prosecute said application, to here insert the filing date and serial number of said application, when known, Serial No. 12/889,948, filed 09/24/2010), for good and valuable consideration, receipt of which is hereby acknowledged from GreenRay Inc., a Delaware corporation having a place of business at 2 Park Drive, Unit 1, Westford, MA 01886, hereinafter called the Assignee (which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee my entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or any part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application.

And for the same consideration I do also hereby sell, assign and transfer unto the Assignee all my rights under the International Convention for the Protection of Industrial Property and all other treaties of like purpose in respect of said inventions and said application and I do hereby authorize the Assignee to apply in my name or its own name for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention or any such other treaty;

And for the same consideration I do hereby agree for myself and for my heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the

Pandiscio & Pandiscio, P.C.  
470 Totten Pond Road  
Waltham, MA 02451  
Tel. (781) 290 0060

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**PATENT**  
**REEL: 026106 FRAME: 0150**

Assignee fully to secure to it said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them, all, however, at the expense of the Assignee;

And I do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Officer of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;

And I do hereby covenant for myself and for my legal representatives and agree with the Assignee that I have granted no right or license to make, use or sell said inventions to anyone except the Assignee, that prior to the execution of this deed my right, title and interest in and to said inventions has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

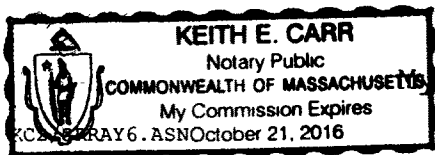
  
\_\_\_\_\_  
Gregory A. Kern

State of Massachusetts )  
County of Middlesex ) ss.

Before me this 9<sup>th</sup> day of February, 2011, personally appeared Gregory A. Kern, who is to me personally known, and acknowledged the foregoing instrument to be his/her free act and deed.

SEAL

  
\_\_\_\_\_  
NOTARY PUBLIC



commission expires: 10/21/2016

Pandiscio & Pandiscio, P.C.  
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